

## Technical XRDynamic500

X-ray source	
Source type <sup>2</sup>	Primux 3000
X-ray generator <sup>2</sup>	Up to 3 kW
Tube vTube voltage	20 kV to 60 kV / 2 mA to 50 mA
Condenser temperature	
Measurement radius	360 or 400 mm
Maximum usable angular range	-95° – 162.5° 2theta
Minimum step size	0.0001°
Temperature range	0.1 mL
Sample stages and attachments	
Ambient sample stages	Fixed sample stage Sample spinner stage (reflection/transmission) XY stage (with autosampler option) Capillary spinner stage EVAC module
Detectors	Solid-state hybrid pixel detectors: Pixos 1000 detector (0D mode) Pixos 2000 detector (0D and 1D mode) Pixos 2000 CdTe detector (0D and 1D mode) for high-energy X-rays
General specifications	
Exterior dimensions (width x depth x height)	1350 mm x 1160 mm x 1850 mm
Weight (not including optional accessories)	750 kg
Power supply	3-Phase: 3/N/PE AC 400/230 V, 50...60 Hz, 25 A 1-Phase: 208...240 VAC, 50...60 Hz, 36 A
Cooling water supply	Flow rate: > 3.6 L/min, Pressure: 4.5 – 6 bar, Temperature: < 25 °C